

## **HOT-SWAP PROTECTION CIRCUIT**

### **ABSTRACT OF THE DISCLOSURE**

**[62]** Embodiments of the present invention provide methods and circuitry for protecting a circuit during hot-swap events. Hot swap protection circuitry includes as overcurrent detection circuit which decouples power from a load. Circuitry is provided to detect ground-fault conditions. Noise detection circuitry is provided to reduce noise in the power that is delivered to the load.

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